INTERNATIONAL SEARCH REPORT

PCT/EP2004/003755

According to International Patent Classification (PC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentations searched classification system followed by classification symbols; IPC 7 C096 C10M C07C Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search herms used) EPO—Internal, WPI Data, PAD C. Cocuments Considered to the RELEVANT Catalon of document, with indication, where appropriate, of the relevant passages (C EP 0 421 303 A (ASICS CORP; ASAHI GLASS COLTO (JP)) IO April 1 1991 (1991–04–10) cited in the application page 2, line 51 – page 3, line 2 claims 1, 2 DD 246 788 A (ADM DDR INST KOSMOSFORSCHUNG) 17 June 1997 (1987–06–17) claim 1; examples 1, 3, 4, 11 W0 98/12286 A (MINNESOTA MINING & MFG) 26 March 1998 (1998–03–26) page 2, line 21 – line 25 page 4, line 19 – page 5, line 8 Pether documents are lated in the continuation of box C. [X] Patent family members are listed in annex. The later special reason has specifiedly deviced to or other the international fling data or other stream to previous departs are latered from the conditionate of annotation of other special reason has specifiedly deviced to or other the international fling data or other stream to previous departs are leaded in the continuation of the conditional condition of other special reason has specifiedly deciment of the stream to previous departs are leaded in the continuation of the conditional condition of the stream to previous departs are leadered from the conditional continuation of the stream to previous and the order and the principle or the conditional continuation of the stream to previous departs and the conditional continuation of the stream to previous departs and the conditional continuation of the stream to previous and which the produce of the same placet of the same placet of the same placet of the	A. CLAS	SIFICATION OF SUBJECT MATTER		2001, 000, 55		
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te of the actual completion of the international fining date but 9 August 2004 The analysis of the international search 16/08/2004 The analysis of the ISA European Patent Office, P.B. 5818 Patentian 2 NI = 2280 HV Rijswijk Tel. (+31-70) 340-2000 TX 31 551 epo pl	O' documer other m	nt referring to an oral disclosure, use, exhibillon or eans	document is combined with one	an inventive step when the		
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European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+3.1–70) 340–2040 TV, 31.651 epo pl	9	August 2004	16/08/2004			
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INTERNATIONAL SEARCH REPORT

Information on patent family members

ir ational Application No PCT/EP2004/003755

B-1.33	PC1/EP2004/003755				
Patent document cited in search report	Publication date	Patent fa membe	umily r(s)	Publication date	
EP 0421303 A	10-04-1991	JP 3119 JP 7000	3748 C 5395 A 9791 B 8750 C	17-10-1995 16-05-1991 11-01-1995	
		JP 3157 JP 7000	7495 A 9792 B 8668 C	17-10-1995 05-07-1991 11-01-1995	
ese Notes		JP 3157 JP 7076	496 A 351 B 751 C	21-11-1996 05-07-1991 16-08-1995	
		JP 3157 JP 7000	497 A 793 B 296 C	17-10-1995 05-07-1991 11-01-1995 23-05-1996	
- 200 M	•	JP 3157 JP 7076 EP 0421	494 A 350 B 303 A2	05-07-1991 16-08-1995 10-04-1991	
DD 246788 A	17-06-1987	DD 246	5/4 A 788 A1	21-07-1992 17-06-1987	
WO 9812286 A	26-03-1998	DE 697276 EP 09311 JP 20015005 KR 20000361	97 A 784 A1 89 D1 25 A1 60 T 57 A 86 B	24-11-1998 14-04-1998 26-03-1998 25-03-2004 28-07-1999 16-01-2001 26-06-2000 11-11-2001 26-03-1998	